

4. (Once Amended) Instruments for non invasive measurement of the three-dimensional distribution of the temperatures of the dielectric objects according to claim 2 characterised by the fact that the maps are supplied as thermal maps.

5. (Once Amended) Non invasive measurement methods of the three-dimensional distribution of the temperatures of the dielectric objects using an instrument of the type according to claim 1 characterised by the fact that it uses a reconstructive approach of the point like temperatures based on the use of the Rayley-Jeans or similar equations, that uses calculus algorithms of the three-dimensional thermal distribution may be based on models in which the link between the emission intensities and the temperature profiles are expressed through Fridgolm integrals equations or by other similar equations.

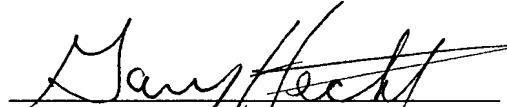
Please add the following new claims:

10 (new). Non invasive measurement methods of the three-dimensional distribution of the temperatures of the dielectric objects using an instrument of the type according to claim 2 characterised by the fact that it uses a reconstructive approach of the point like temperatures based on the use of the Rayley-Jeans or similar equations, that uses calculus algorithms of the three-dimensional thermal distribution may be based on models in which the link between the emission intensities and the temperature profiles are expressed through Fridgolm integrals equations or by other similar equations.

11. (new). Non invasive measurement methods of the three-dimensional distribution of the temperatures of the dielectric objects using an instrument of the type according to claim 3 characterised by the fact that it uses a reconstructive approach of the point like temperatures based on the use of the Rayley-Jeans or similar equations, that uses calculus algorithms of the three-dimensional thermal distribution may be based on models in which the link between the emission intensities and the temperature profiles are expressed through Fridgolm integrals equations or by other similar equations.

12. (new). Non invasive measurement methods of the three-dimensional distribution of the temperatures of the dielectric objects using an instrument of the type according to claim 4 characterised by the fact that it uses a reconstructive approach of the point like temperatures based on the use of the Raley-Jeans or similar equations, that uses calculus algorithms of the three-dimensional thermal distribution may be based on models in which the link between the emission intensities and the temperature profiles are expressed through Fridgolm integrals equations or by other similar equations.

Respectfully submitted,



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